

Title (en)

DATA TRANSMISSION DEVICE, COMMUNICATION CONTROL METHOD, AND COMMUNICATION CONTROL PROGRAM

Title (de)

DATENÜBERTRAGUNGSVORRICHTUNG, KOMMUNIKATIONSSTEUERUNGSVERFAHREN UND  
KOMMUNIKATIONSSTEUERUNGSPROGRAMM

Title (fr)

DISPOSITIF DE TRANSMISSION DE DONNÉES, PROCÉDÉ DE CONTRÔLE DE COMMUNICATION, ET PROGRAMME DE CONTRÔLE DE  
COMMUNICATION

Publication

**EP 2882146 A1 20150610 (EN)**

Application

**EP 12882258 A 20121019**

Priority

- JP 2012172697 A 20120803
- JP 2012077164 W 20121019

Abstract (en)

A data transmission apparatus includes an output unit configured to output data on a bus, and to determine whether to output the data on the bus based on a result of a communication arbitration performed with competing data to be output on the bus, using priority information attached to the data to be output on the bus by the data transmission apparatus itself; a storage unit configured to have a plurality of areas set, the areas having respective priorities set, the priorities ranging from a high priority to a low priority; and a distribution unit configured to write data having a transmission request received, in one of the areas depending on priority information attached to the data, so that the data having higher priority information is written in one of the areas having a priority equal or close to the high priority. The output unit prioritizes outputting the data on the bus, the data being stored in the one of the areas having the priority equal or close to the high priority, among data stored in the plurality of areas.

IPC 8 full level

**H04L 12/46** (2006.01); **H04L 12/40** (2006.01); **H04L 12/413** (2006.01); **H04L 12/64** (2006.01); **H04L 12/863** (2013.01)

CPC (source: EP US)

**G06F 13/362** (2013.01 - EP US); **G06F 13/4221** (2013.01 - EP US); **H04L 12/40006** (2013.01 - EP US); **H04L 12/40032** (2013.01 - EP US); **H04L 12/4015** (2013.01 - EP US); **H04L 12/40163** (2013.01 - EP US); **H04L 12/4135** (2013.01 - EP US); **H04L 12/4625** (2013.01 - EP US); **H04L 12/6418** (2013.01 - EP US); **H04L 47/6215** (2013.01 - EP US)

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 2882146 A1 20150610**; **EP 2882146 A4 20150819**; **EP 2882146 B1 20171122**; CN 104541480 A 20150422; CN 104541480 B 20180629; JP 2014033339 A 20140220; JP 6174305 B2 20170802; US 2015212958 A1 20150730; US 9703736 B2 20170711; WO 2014020779 A1 20140206

DOCDB simple family (application)

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